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TITLE: MOBILE TERMINAL AND MOBILE OBJECT SATELLITE  
COMMUNICATION SYSTEM USING THE SAME  
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ABSTRACT:

PURPOSE: To improve a working rate at the time of moving through frequent shadowing area by the mobile terminal of a mobile object satellite communication system.

CONSTITUTION: This mobile terminal calculates a present position from the signals of a GPS satellite in a position calculation circuit 132, predicts the position of a moving destination hereafter by a speed/acceleration sensor 138 and a bearing sensor 139, refers to the perspective map information of a communication satellite of a data base 133 and predicts a time band

when  
communication with the communication satellite by an antenna 120  
becomes  
possible. The communicable time band can be also obtained from the  
electric  
field intensity of signals from the communication satellite received  
by the  
antenna 110 for lookahead provided in a part more in front than the  
antenna  
120. Message information and voice information are inputted and  
turned to  
digital data by an input/output part 180 and a voice encoder 172, are  
tentatively stored in a transmission buffer memory 140 and are read  
and  
transmitted to the communication satellite when the predicted  
communicable time  
band is reached. At the time, when the data are divided into the  
plural  
packets of a prescribed unit communication time length, the working  
rate is  
further raised.

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